

# Engine Module

## Checklist #12

**Location:** \_\_\_\_\_ **Date:** \_\_\_\_\_  
**Repondent:** \_\_\_\_\_ **Reviewed By:** \_\_\_\_\_  
**Manufacturer:** \_\_\_\_\_ **Identifier:** \_\_\_\_\_ **MFR Year:** \_\_\_\_\_  
**Mileage:** \_\_\_\_\_  
**Pump Make:** \_\_\_\_\_ **Model:** \_\_\_\_\_ **Hours:** \_\_\_\_\_ **GPM (tested):** \_\_\_\_\_  
**GPM (factory):** \_\_\_\_\_  
**Foam Unit Maker:** \_\_\_\_\_ **Model:** \_\_\_\_\_ **Date of last performance test:** \_\_\_\_\_

Key Code: E = Exceeds Standard M = Meets Standard NI = Needs Improvement NR = Not Reviewed		
Code	Description	Remarks
<b>MODULE ADMINISTRATION</b>		
	1. Module has been trained on accident notification procedures.	
	2. Module has participated in a documented tailgate safety session weekly or at the beginning of each project.	
	3. Module is familiar with job hazard analysis process, unit safety plan and can readily access this information.	
	4. Radio operations meet requirements of: a) minimum number of radios b) knowledge of radio programming c) understand frequency authorization and use issues d) cloning cables/plugs	
	5. Module is familiar with location of safety items, such as first aid kit and fire extinguisher.	
	6. Module supervisors are familiar with administrative issues and prepare proper documents as required, such as: a) T&As b) crew time reports c) fire time reports d) travel records e) accident reports f) training records.	

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	<p>7. Module has completed the following training (per agency standards):</p> <ul style="list-style-type: none"> <li>a) annual fire fighter safety refresher and understands/can apply the 10 Standard Firefighting Orders, 18 Watch Out situations, and LCES;</li> <li>b) participate in additional fire shelter drills</li> <li>c) defensive driving</li> <li>d) first aid, blood-borne pathogens, CPR</li> <li>e) hazardous materials awareness / MSDS</li> <li>f) basic helicopter safety as appropriate to their aviation activities</li> <li>g) chainsaw (S212 or equivalent)</li> <li>h) power tool training</li> <li>i) self-contained breathing apparatus (if approved) - <ul style="list-style-type: none"> <li>• annual lung function test</li> <li>• mask fit test</li> <li>• current medical exam</li> </ul> </li> <li>j) the risk management process</li> <li>k) wildland/urban interface</li> <li>l) emergency operations (are all module members able to move the engine in emergency situations)</li> <li>m) wildland fire engine training for operators</li> <li>n) pumping/drafting</li> <li>o) foam use</li> <li>p) hoselay training</li> <li>q) hydrant safety &amp; use</li> <li>r) mobile attack</li> <li>s) other.</li> </ul>	
	<p>8. Module members meet all qualifications required of their positions, including completion of the “pack test” and have current red cards.</p>	

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	9. Individual files document experience and are current in the agency's qualifications system.	
	10. Appropriate taskbooks are issued for module members.	
	11. Module members have attended employee orientation to include: a) mutual respect/civil rights b) local resource management issues (noxious weeds, riparian areas, cultural sites, wilderness, etc.) c) roles and responsibilities/chain of command/unit organization d) other.	
	12. Module has access to adequate training materials and equipment (training library, videos, reference materials, internet, overhead projectors, slide projectors)	
	13. Module participates in a physical fitness program to include: a) awareness of and meeting documented agency fitness program standards b) using the program regularly c) documenting and evaluating progress d) note time allotted for PT	
	14. Module has knowledge of and meets agency mobilization standards, including: a) mobilization and get-away time frames b) driver duty limitations c) work/rest requirements.	

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	15. Personal fire equipment meets the following standards: a) personal protective equipment is issued and serviceable b) personal fire gear bag ready c) line gear is ready d) all equipment meets weight standard.	
	16. Module members possess commercial drivers license where appropriate.	
<b>FACILITIES</b>		
	17. Facility meets needs of personnel/ equipment/mission.	
	18. Housekeeping standards are established and met.	
	19. Safe food handling procedures are practiced.	
	20. Facility security is adequate.	
	21. Facility is signed appropriately.	
	22. Cache inventory meets needs of resources working out of the facility.	
	23. Fire tools/kits meet standards.	
	24. Tools are properly marked and stored.	
	25. Inventory and use records are available and current.	
	26. Fire rations are adequately stored.	
	27. Adequate space is available for training functions.	
	28. Fire apparatus is adequately sheltered.	

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	29. Bulletin board includes appropriate postings such as: a) employee right-to-know information / MSDS b) organization chart c) first aid procedures d) 10 Standard Fire Orders e) 18 Watch Out Situations f) facility fire plan g) fire danger information h) fire weather information i) smoking policy j) sexual harassment policy/EEO counselors k) Department of Labor required information.	
	30. Personnel are familiar with posted material.	
	31. Safety equipment available includes: a) smoke alarms b) first aid kits c) fire extinguisher d) illuminated exit signs e) equipment property number.	
	32. Agency safety inspection is complete.	
	33. Administrative space is adequate.	
	34. Provisions for mixed gender crews are adequate.	
	35. Overall facility condition, inside and out, is adequate.	
	36. Storage of flammables/hazardous materials meets standards.	

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<b>APPARATUS/EQUIPMENT MECHANICAL</b>		
	<p>The following engine/apparatus meets 37. standards:</p> <ul style="list-style-type: none"> <li>a) horn</li> <li>b) siren</li> <li>c) radio</li> <li>d) electrical - lights</li> <li>e) electrical - starter</li> <li>f) instruments (gauges)</li> <li>g) tires/wheels</li> <li>h) chock blocks</li> <li>i) fuel system</li> <li>j) fluid levels</li> <li>k) air cleaners</li> <li>l) cooling systems</li> <li>m) brakes</li> <li>n) wipers</li> <li>o) steering</li> <li>p) exhaust</li> <li>q) battery/cables</li> <li>r) back-up alarm</li> <li>s) road test satisfactory.</li> </ul>	
	<p>38. The following cab/body parts meet standards:</p> <ul style="list-style-type: none"> <li>a) mirrors</li> <li>b) under-carriage</li> <li>c) doors/seals</li> <li>d) seat belts</li> <li>e) windows/glass</li> <li>f) upholstery</li> <li>g) clean/organized.</li> </ul>	
	<p>39. Main and auxiliary pump meets standards for:</p> <ul style="list-style-type: none"> <li>a) appearance</li> <li>b) operation</li> <li>c) gauges</li> <li>d) valves</li> <li>e) fuel and air filters</li> <li>f) fluid levels.</li> </ul>	

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	40. Foam unit meets standards for: a) appearance b) operation c) valves and gauges d) foam bladder condition (if equipped).	
<b>ENGINE ADMINISTRATION</b>		
	41. ID numbers are displayed front/rear.	
	42. Safety inspections are made as necessary and documented..	
	43. Actual gross vehicle weight is posted and meets vehicle specifications.	
	44. References/paperwork available include: a) accident report forms b) communications plan c) posted frequencies d) inventory (specific to compartment/location) e) use record current f) preventive maintenance records g) personnel accident/injury forms h) appropriate maps i) current North American Emergency Response Guide Book j) crew time report book k) current credit card.	
<b>SAFETY AND MEDICAL</b>		
	45. Non-skid surfaces are adequate.	
	46. Fire extinguisher is current and location is identified with reflective decal.	
	47. Hazard reflectors/flares are adequate.	

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	48. Emergency equipment is adequate to include: a) drinking water b) rations c) flashlights/head lamps d) appropriate spare batteries e) additional fire shelters f) additional PPE	
	49. First aid/trauma kit is available and appropriate size; location is identified with reflective decal.	
	50. Burn kit is adequate (optional).	
<b>TOOLS/EQUIPMENT</b> (carried on the engine)		
	51. Jack (serviceable for GVW) is adequate.	
	52. Lug wrench is adequate.	
	53. Tow chain, cable or strap is adequate.	
	54. Jumper cables are adequate.	
	55. Tool box with appropriate tools is adequate.	
	56. Hand tools meet inventory standards and are in good condition.	
	57. Chainsaw meets specifications including: a) clean/initial attack ready b) kit c) fuel d) starts.	
	58. Hydrant wrench is adequate.	
	59. Bolt cutters are adequate.	
	60. Backfiring fusee/drip torches are adequate.	
	61. Belt Weather Kit is adequate.	



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	62. Nozzles meet inventory standards and are in good condition.	
	63. Hose: a) meets inventory standards b) meets engine type standards c) is clean/organized/useable d) reel condition/use meets standards.	
	64. SCBA's used appropriately including: a) maintenance/inspections are complete b) maintenance is documented c) cylinder pressure is adequate d) face mask and spider are adequate e) is cleaned and sanitized properly f) sounds low pressure alarm when appropriate g) regulator displays proper pressure h) harness is free of wear and hardware functional i) hoses are free of damage and deterioration; assembly is tight j) cylinder hydrostat is tested as appropriate k) regulators are overhauled periodically as recommended by the manufacturer l) SCBA performance is tested as recommended by the manufacturer m) PAS - personal alarm system sounds when armed.	

